



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**COLORADO/443**  
Machine Id  
**53.157L [COLORADO^443]**  
Component  
**Left Chain Case**  
Fluid  
**MOBIL MOBILTRANS AST 30 (3 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0918156</b>	WC0823059	WC0749871
Sample Date		Client Info		<b>08 Apr 2024</b>	18 Sep 2023	01 Feb 2023
Machine Age	hrs	Client Info		<b>1836</b>	1369	909
Oil Age	hrs	Client Info		<b>1836</b>	1369	909
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>632	<b>158</b>	609	369
Chromium	ppm	ASTM D5185m	>3	<b>1</b>	1	1
Nickel	ppm	ASTM D5185m	>3	<b>1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>19	<b>2</b>	5	2
Lead	ppm	ASTM D5185m	>6	<b>1</b>	0	<1
Copper	ppm	ASTM D5185m	>46	<b>1</b>	2	1
Tin	ppm	ASTM D5185m	>3	<b>1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>MODER</b>	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

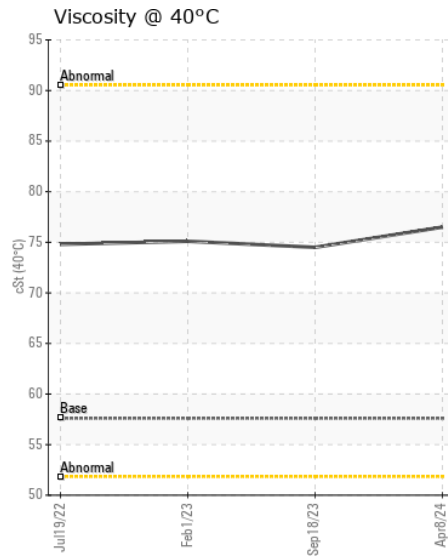
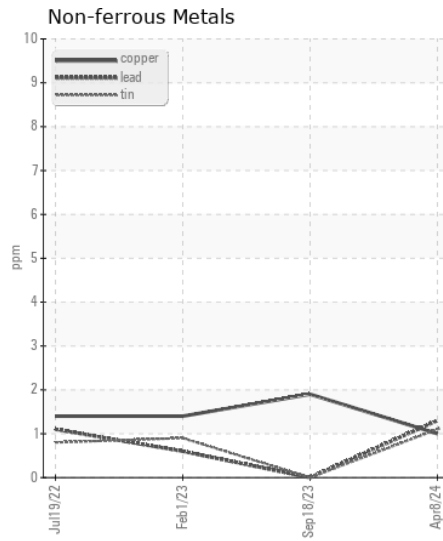
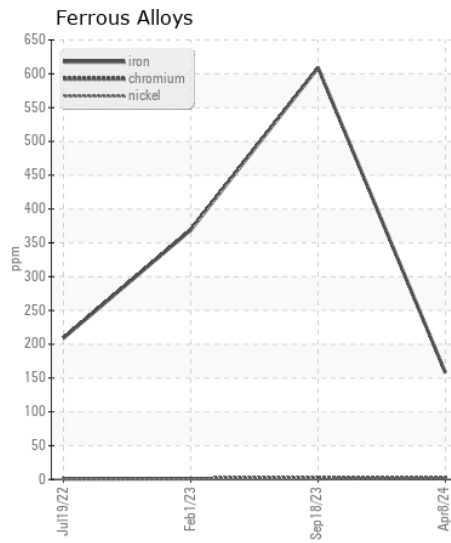
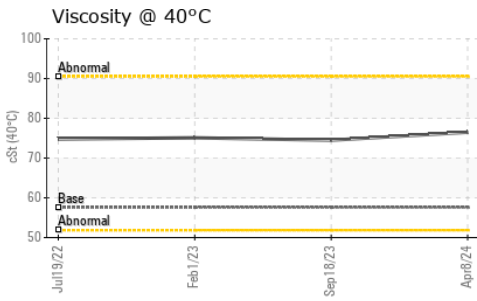
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>82	<b>21</b>	▲ 109	▲ 92
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	5	3
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>MODER</b>	NONE	LIGHT
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>3</b>	3	3
Boron	ppm	ASTM D5185m		<b>78</b>	67	70
Barium	ppm	ASTM D5185m		<b>4</b>	55	57
Molybdenum	ppm	ASTM D5185m		<b>37</b>	40	38
Manganese	ppm	ASTM D5185m		<b>2</b>	6	4
Magnesium	ppm	ASTM D5185m		<b>450</b>	468	485
Calcium	ppm	ASTM D5185m		<b>1588</b>	1612	1586
Phosphorus	ppm	ASTM D5185m		<b>1038</b>	925	893
Zinc	ppm	ASTM D5185m		<b>1049</b>	1115	1096
Sulfur	ppm	ASTM D5185m		<b>3790</b>	3307	3560
Visc @ 40°C	cSt	ASTM D445	57.6	<b>76.5</b>	74.5	75.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : WC0918156

**Lab Number** : 06152403

**Unique Number** : 10982481

**Test Package** : CONST

**Received** : 17 Apr 2024

**Tested** : 18 Apr 2024

**Diagnosed** : 22 Apr 2024 - Don Baldrige

**SHERWOOD CONSTRUCTION CO INC**

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WICHITA, KS

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)